

MINUTES

OU 2 PROJECT MEETING
NOVEMBER 12 1993

ADMIN RECORD

ATTENDEES.

<u>Name</u>	<u>Company</u>	<u>Phone No.</u>
Scott Grace	DOE/RFO	966 7199
Joe Schieffelin	CDH	692 3356
Jeff Swanson	CDH	692 3416
Bill Frazer	EPA	294 1081
Eric Dille	Aguirre Eng	966 7199
Terry Smith	PRC	295 1101
Michael Guillaume	EG&G	966 8557
Michael Klein	EG&G	966 6950
Pete Laurin	EG&G	966 8702
Robin Madel	EG&G	966 6972
Annette Primrose	EG&G	966 8618

These meeting minutes were written By Robin Madel of EG&G

Meeting agenda is attached (Attachment A)

Topics discussed

FS update
RI report
Expedited action
SVE IM/IRA

Actions are highlighted in left margin

FS UPDATE.

5 year plan Extension from 3 months to 26 months for FS work DOE wants to work out a mutually agreeable solution on OUs 2 3 and 6 (and others but these most importantly)

Bill Frazer Why OUs 2 3 6?

Michael Guillaume

These OUs fit together time and schedule wise
These can be put under same contract
OU 2 Front runner Use it as a vehicle want to make FSs consistent

Bill Frazer What about OU 5?

Pete Laurin It's a few months (4 6) behind It would not be a separate arrangement but it would be behind

We want to do the CMS/FS with an agreed upon methodology we don't want same problems as with the RI

Bill Frazer Where do the milestones stand now?

Scott Grace October 96 this was extended from 3 to 26 months (Nov 4th was original This milestone was not extended and was missed) We're waiting to resolve Stop Work issue

The FS will be analogous with the final RI the dates have to be moved We have to resolve how we will do this FS Streamline and scope soon

Bill Frazer Will we have to start sooner?

Michael Guillaume Yes Funds are available now We will need to scope the tasks involved in FS (at least determine our differences) identify problems etc

Joe Schieffelin That sounds like a good idea

Bill Frazer Sounds reasonable What is happening at OU 1?

Eric Dille The RI is currently based on PRG's (risk based) Gary Kleeman is not interested in reviewing the RI until Final Risk Assessment is delivered

Joe Schieffelin We may want to propose that PPGs be done once Every OU uses what they need from the list That should streamline things but it may not solve all the problems

Michael Guillaume We can use that as a first objective in the scoping meeting

Joe Schieffelin EG&G can expect to see that soon based on negotiations with EPA about RA We need to have serious discussions about ARARs We have big concerns regarding state WQ standards and what they are called

Scott Grace How does that tie to benchmark issues?

Joe Schieffelin Everything was called benchmark instead of defining ARARs We have to define what are TBCs what are ARARs etc

Michael Guillaume Where do ARARs come into play?

Joe Schieffelin They are supposed to be defined in the RI but ROD actually sets them

Pete Laurin They are supposed to be set as early as possible

Bill Frazer Setting the stream standards is the sticky point here

Joe Schieffelin That is a legal issue that needs to be resolved Are the stream standards applicable or relevant and appropriate (are they ARARs) and will they be applicable to groundwater?

Michael Klein They will all hinge upon land use determination

Michael Guillaume This is one of the things we need to discuss for the FS

Joe Schieffelin I really don't know what to say about land use

Bill Frazer That question (land use) will not be solved in a timely manner we'll have to work around it

Michael Guillaume We don't want to have to repeat work

Bill Frazer Everyone will have different biases for land use We can't wait on that decision

Michael Klein We'll propose the most conservative (residential) then what we think is reasonable Use one e.g. OU 2 as an example

Bill Frazer The 3 OUs mentioned are too different to use OU 2 as a template for all 3

Scott Grace This may be part of the discussion to negotiate the agreement

Joe Schieffelin I'm not too worried about schedule at this point We'll negotiate the change (3/26) but we should define what we expect We'll have approximately 4 months before re negotiation then 2-4 months of negotiation Use that time to discuss scope Then milestones/schedules begin Schedules will obviously change

Scott Grace We will send the agencies a letter to discuss milestones When can we start discussions?

Eric Dille OU 2 or sitewide We need to define who will be involved in the discussions We'll set a meeting with agencies in two weeks

Scott Grace Let's do this as an OU 2 issue and not global OU 2 will be the driver for the others Quicker more expedient tentatively first part of December.

DOE actions

Letter on OU 2
How to approach methodology
Other OUs

EG&G action

Need to get more info to DOE

RI REPORT

Annette Primrose ETM Some issues need to be resolved

Exposure method
Childhood experience scenarios

Bill Frazer Just got final version on Wednesday has evaluation of responses but same issues are unrelolved doesn't seem like a big deal

Scott Grace When can you do that?

Bill F /Joe S Within a week we will review and talk to Rick Roberts EG&G actions

COCTM Permission to develop COCs using old methodology draft TM in 2 weeks

RA Method

Annette Primrose Update Are we near the end?

Joe Schieffelin Won't be next week elevated gone to a higher level Potentially as early as 12/1/93 (realistically) maybe 12/15/93

For OU 2

We are thinking about going ahead with the baseline RA

Joe Schieffelin Before EG&G does that let CDH know EPAs latest property OU wide unless there are areas in OUs that can be aggregated May not be applicable
IHSS Specific unless IHSS doesn't report are of cont OU specific unless OU can be cut into smaller areas IHSS

RI REPORT.

(Terry Smith left the meeting)

Pete Laurin Ch 1 3 Reviewed and commented by DOE 12/1/93 delivery to agencies (we will give these to agencies early)
Ch 4 5 Ready by last part of December first part of January maybe

Annette Primrose These are preliminary drafts

Joe S & Bill F That sounds like a good idea

Joe Schieffelin Give me an idea when I have to give comments to EG&G w/no impact to work

Scott Grace Do we need to have a meeting?

Joe Schieffelin That won't be necessary

Annette Primrose We would like to present nature and extent in a formal presentation

Joe Schieffelin Great idea to get chapters pre reviewed I guess a meeting will be okay

EXPEDITED ACTION.

An agenda for this topic is attached (Attachment B)

Michael Klein

Regulatory procedures

Agency cooperation scoping
Integration with SVE
Issues to resolve quickly
Schedule

Map attached 2 locations of NAPLs B10191 B24739

SVS Grid on 30 ft centers across trench

Joe Schieffelin Is this bi modal distribution an artifact of the contours? Are there low concentrations in the middle?

Michael Klein It is an artifact to some extent

3 types of removal 1) emergency no additional investigation 2) time critical No NEPA limited public involvement comments but with minimal impact 6 month time period 3) Non time critical FS

Bill Frazer In reality there is a continuum not one straight process Allows you to do experimental actions with whatever combo of removal and administrative guidance fits

Michael Klein We want to get this done ASAP Use a phased approach Integrate current IM/IRA Feb May testing Do removal of hot spots without impacting SVE (no additional characterization)

Remove B10191 area while testing then do B24739

Remove 2 10x10 areas

4 volume types

- 1) Highly contaminated soils
- 2) Low contaminated soils
- 3) 10 / solids debris (drums other material)
- 4) Excavation spoils

Digging up the two hot spots produce

- 1) 103 yd³ of highly contaminated soil
- 2) 42 yd³ moderately contaminated soil
- 3) 8 yd³ solids
- 4) 1050 yd³ excavation spoils This would be stockpiled

Scope (3 possibilities)

Just remove hot spots
Remove the trench
Remove SVS boundary

Use info available and phased approach

Scott Grace We would like to see no enforceable milestones These dates become golden They drive everything
We can gain some information and see how quickly we can do this without an enforceable schedule

Jeff Swanson joined the meeting

Michael Klein We have issues of storage and treatment to be resolved We ll need to take bulk samples for treatment

Joe Schieffelin Is there any rad in this?

Michael Klein
Historical data says depleted uranium
RI doesn t show rad
NAPL material Rad screen showed no rad

Joe Schieffelin If there is no rad maybe we can take it offsite and dump it

Michael Klein We will address this question If it is cheaper and easier we ll talk to USPCI We currently don t have the available storage

Scott Grace We need to modify our RCRA permit The state will have to help us resolve this

Michael Klein Our ultimate goal is to treat and de list What if we have more than we thought? We ll have to manage that and come back to it later

Joe Schieffelin IAG says EG&G will get and meet permits We are working on increasing the permits internally (triggered by Solar Ponds)

EG&G should set up close coordination with permit people to coordinate with CDH
The permit people need all the information so they can make commitments

Michael Klein It sounds like CDH is willing to work with EG&G We can deal with everything except storage and treatment/disposal We want guidance from the agencies

Joe Schieffelin EG&G needs to prioritize its needs

Michael Klein Is removal based on a cleanup level on a volume? In the phased approach we want to be volume based We aren t prepared to be cleanup goal oriented

Bill Frazer What volumes are we talking about? Is your estimate arbitrary? You should aim for a volume that has a significant impact then evaluate remaining contamination afterwards

Eric Dille Will this give enough time for public involvement?

Bill Frazer We may be able to do this under Tech Memo to existing IM/IRA There is a mechanism to do this It depends on the level of change

Joe Schieffelin We may not need public involvement rather public notification

Bill Frazer ESD really only relates to ROD If we are amending the IRA Decision Document we aren't doing ESD but really it's the same thing

Michael Klein We would have to modify objectives of the IRAP

Bill Frazer You could use an action memo This should be EG&G's next step
 Action
 Tech Memo
 IM/IRA Change objectives
 Action memo removal action trial

Scott Grace We may not want to tie this to the IRA if we are trying to do business in a new way
 We will get back to agencies on a date for this mechanism

Joe Schieffelin We will let milestones go until we reach a log jam We'll go with no Milestones until we see that it won't work

Michael Klein We'll have an outline on a schedule to set a framework

Bill Frazer Talk to some people in the removal branch

 John Geidt branch chief
 Sharon Kercher section chief
 Floyd Nichols the best person to talk to

SVE

Project update Start date 2/14/93 Approval given

Agencies are invited for SO testing

| Outline of tech memo for Pilot Test Plan modifications

| Technical Memorandum to agencies in January

Jeff Swanson Will this address contingencies for off gas? We want to see where EG&G is going with that

Michael Klein No only the currently configured off gas treatment We will add this off gas treatment modification into Technical Memorandum

Michael Klein will call Jeff Swanson to scope this out

We d like to present this in January

SW IM/IRA

2 Weeks of data Transmitted to agencies

EG&G is renewing our request to discontinue collection and treatment

EG&G can expect comments in 3 to 4 weeks (call BF later to confirm this)

Sch Wants to see that OU1 and OU2 FTUs are part of a bigger picture for treatment facility they aren't big enough to take on larger sitewide flows

OU 2
PROJECT MEETING
November 12 1993
9 A M to Noon
EPA 2nd Floor Conference Rooms

AGENDA

- 1 FS UPDATE
 - Methodology for TS Risk Assessment FS
 - schedule
 - original IAG time increment
- 2 RI Report
 - Exposure TM
 - COC TM
 - Risk Assessment methodology
 - Chapters 1-3
 - Chapters 4 5 (Nature & Extent Fate & Transport)
 - Chapter review due date
- 3 Expedited Action
 - regulatory Administration/Guidance - NCP
 - EPA/CDM cooperation necessary
 - integration with SVE IM/IRA
 - barriers to completion
 - schedule
- 4 Soil Vapor Extraction IM/IRA
 - project update
 - look to technologies for use in the Final Remedy
 - crosswalk objectives of the Test Plan

TOPICS OF DISCUSSION FOR AGENDA
ITEM 3 EXPEDITED REMOVAL ACTION AT OPERABLE UNIT NUMBER 2

Regulatory/Administrative Procedures Necessary to Implement the Expedited Removal Action

Integration with current subsurface Interim Measure/Interim Remedial Action

Scope and Schedule to perform the removal action at Individual Hazardous Substance Site (IHSS) 110

Identification of Data Needs

- Nature and extent of soil contamination

- Technologies to treat the soil after removal

- Cleanup goals

Development of Implementation Document for the Removal Action

- Phased Approach to implementing the removal action

 - Soil volume estimates

 - Treatment technologies

 - Storage requirements

 - Permit issues

 - Engineering design

 - Health and safety

Management of Post Removal Site Control

Disposal of Treated Soils

DRAFT OUTLINE
OU2 SUBSURFACE IM/IRA SITE 1
TECHNICAL MEMORANDUM NO 1
11/11/93

1 0 INTRODUCTION

- 1 1 PROJECT OVERVIEW
- 1 2 MEMORANDUM OBJECTIVES
- 1 3 REPORT ORGANIZATION

2 0 SITE CONDITIONS

- 2 1 SOIL GAS SURVEY
- 2 2 REMEDIAL INVESTIGATION (RI) BORINGS
- 2 3 SOIL VAPOR EXTRACTION (SVE) BORINGS
- 2 4 NON AQUEOUS PHASE LIQUID (NAPL)
- 2 5 GEOPHYSICAL SURVEY OF TRENCH
- 2 5 MOVE PILOT TEST FROM 111 1 TO 110

3 0 EVALUATE PROPOSED PILOT TEST

- 3 1 OBJECTIVES
- 3 2 DATA REQUIREMENTS
- 3 3 SOIL GAS EXTRACTION PRODUCTION
- 3 4 GROUNDWATER EXTRACTION PRODUCTION
- 3 5 MODIFICATIONS IF REQUIRED

4 0 EVALUATE IMPACT OF THE NAPL FOR SVE PILOT TEST

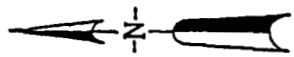
- 4 1 MOVEMENT OF NAPL IN VADOSE ZONE
- 4 2 MOVEMENT OF NAPL IN SATURATED ZONE
- 4 3 SVE PILOT TEST

- 4 3 1 SVE Pilot Test
- 4 3 2 Granular Activated Carbon (GAC) Usage

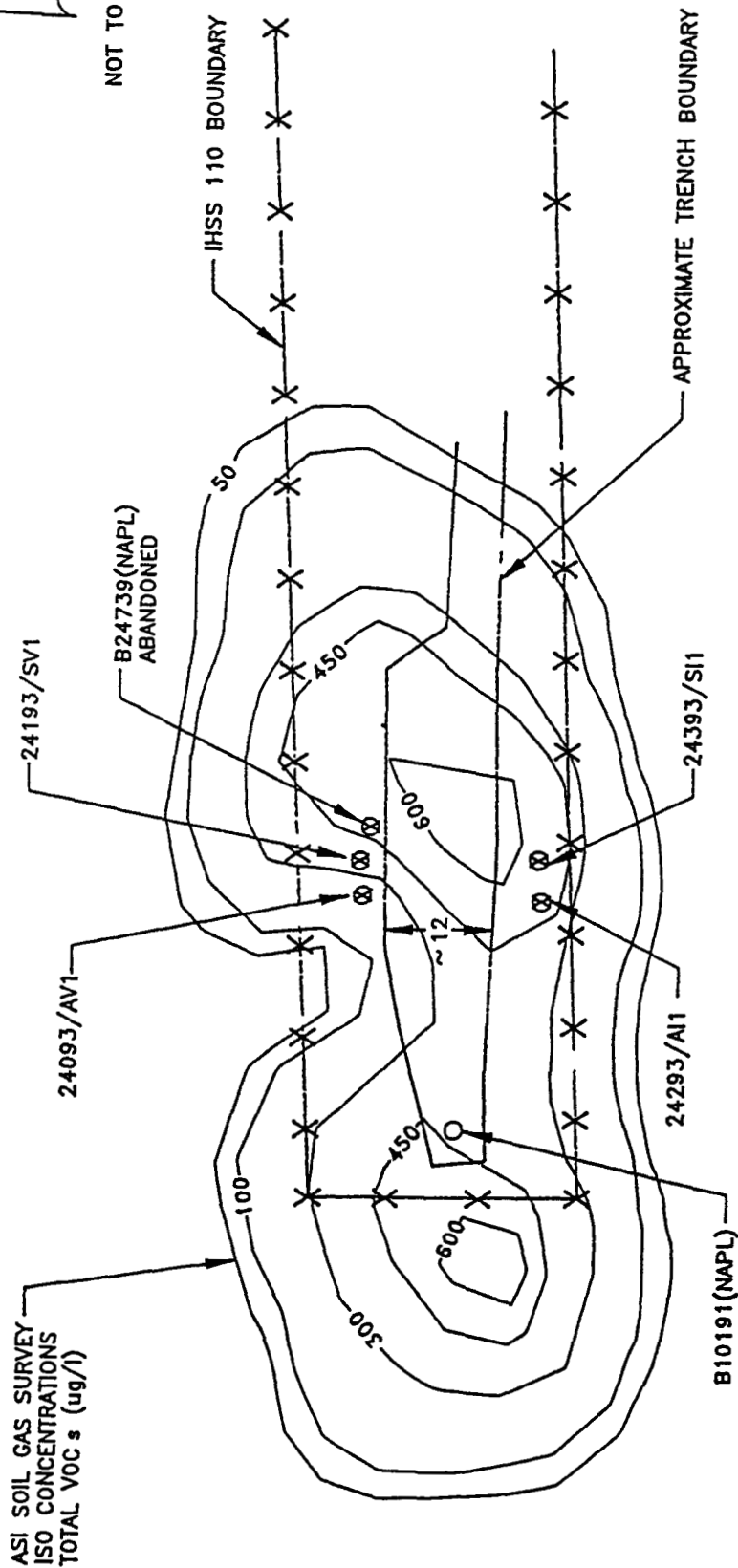
5 0 CHANGES TO PILOT TEST PROGRAM

- 5 1 SUMMARY OF ISSUES
- 5 2 DESIGN CHANGES
- 5 3 OPERATION CHANGES
- 5 4 PILOT TEST CHANGES

6 0 SUMMARY



NOT TO SCALE



NOTES

- BORE HOLE LOCATION - RI PHASE II 12/91
- ⊗ SVE EXTRACTIONS/INJECTION WELLS 8/93
- NAPL NON AQUEOUS PHASE LIQUIDS

U S DEPARTMENT OF ENERGY
R e s e a r c h Plant G l o b a l C o l l e c t i o n

OU2 IHSS 110
APPROXIMATE TRENCH AND
BORING LOCATIONS